

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-144013  
 (43)Date of publication of application : 21.05.2002

(51)Int.Cl.

B22D 17/30

B22D 17/02

B22D 35/00

(21)Application number : 2000-347978

(71)Applicant : TOYO MACH &amp; METAL CO LTD

(22)Date of filing : 15.11.2000

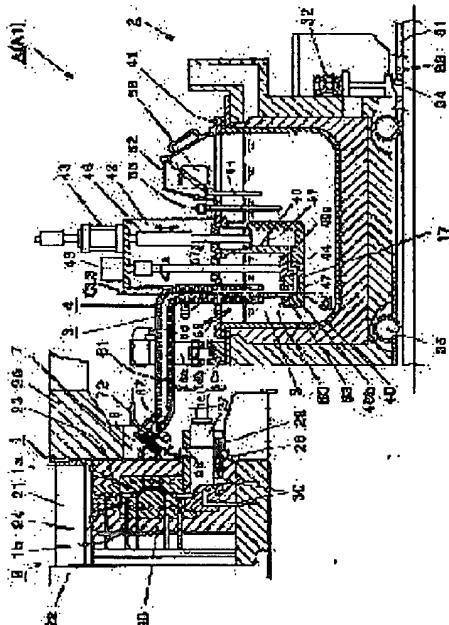
(72)Inventor : KAWACHI HIROAKI

## (54) DIE CASTING APPARATUS

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To provide a die casting apparatus in which the attachment/ detachment of a runner tube and the alignment between a die sleeve and a nozzle part at the tip part of the runner tube are extremely simple.

**SOLUTION:** This die casting apparatus is constituted of (a) a die casting machine (B) having a die (1) for die casting, (b) a melting furnace (2) disposed on a shifting axis (CL2) different from the center line (CL1) of the die (1) for die casting so as to be approachable/separatable to/from the die (1) for die casting and having a crucible (40) for holding molten metal, (c) the runner tube (3) immersed into the crucible (40) at the one end and elected so as to be rotatable to a pump spouting hole (49b) of a molten metal supplying pump (17) and so as to supply the molten metal (5) into the die sleeve (26) in the die (1) for die casting at the other end and (d) a supporting part (16) for supporting the runner tube (3) in the shifting range of the runner tube (3).



## LEGAL STATUS

[Date of request for examination] 06.12.2004

[Date of sending the examiner's decision of rejection] 27.06.2006

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]